/Computing@Balcarras_



SUBJECT	YEAR	TERM	
Computer Science (OCR)	10	1	
	UNIT		
Systen	ns Architecture		
	INTENT		
PRIOR LEARNING (TOPIC) Pupils will have some a requirement for the topic.	basic knowledge from Year 9 les	sons, however, this is not	
To most people, the inner workings of a computer are a mystery. In this unit pupils		Specification Points: This unit covers points 1.1.2 through to 1.2.2.	
FUTURE LEARNING (TOPIC): Representing Data			
 IMPLEMENTATION Throughout the unit pupils will cover: The structure and role of the CPU. Factors that impact the performance of a CPU. The use of embedded systems. The need for different types of memory in a computer system. The differences between common storage type 	Assessment: Pupils will sit a assessment at the end of th which will be translated into In addition to this, pupils w style questions both during	IMPACT Assessment: Pupils will sit a 40 mark in-lesson assessment at the end of the unit, the score from which will be translated into a 9-1 style grading. In addition to this, pupils will complete regular exam style questions both during lesson and as part of homework tasks.	
HOW CAN PARENTS HELP AT HOME?			
All course materials are available via Firefly. In the supporting their child's revision. This can include to explain topics to you.		1 2	
HELPFUL READING/FURTHER DISCUSSION			
READING/EXTRA-LEARNING There are an enormous number of online courses and tutorials to help pupils develop their computer science skills further.	CAREERS This unit could lead onto career such as electrical engineer or IT technician.	5	
Visit the Next Steps section of the Computing department's Firefly page for more details.			
CPU, registers, FDE, Cache, Cores, Clock, RAM, ROI	M. VM. Optical, Magnetic, Solid S	tate. Embedded System.	